



Switching Diodes

Reverse Voltage - 100 Volts
Power Dissipation - 500 mWatt

FEATURES

- Fast switching speed
- Electrically identical to standard JEDEC
- High conductance
- Axial lead package ideally suited for automatic insertion

MECHANICAL DATA

- Case: Molded glass DO-35
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Mounting Position: Any
- Approx weight: 0.13 grams
- Ordering information

Suffix : “ -35 ” to order DO-35 Package

- Packing Information

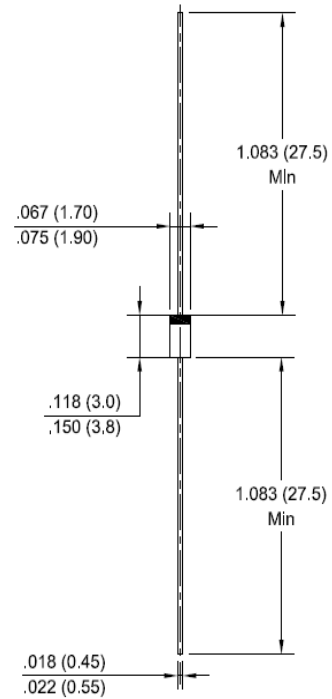
B - 2K per Bulk box

T/R - 10K per 15" plastic Reel

T/B - 5K per horiz. Tape&Ammo box

Note: Products with logo  or  are made by HY Electronic (Cayman) Limited.

DO-35



Package Outline Dimensions in Inches (Millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

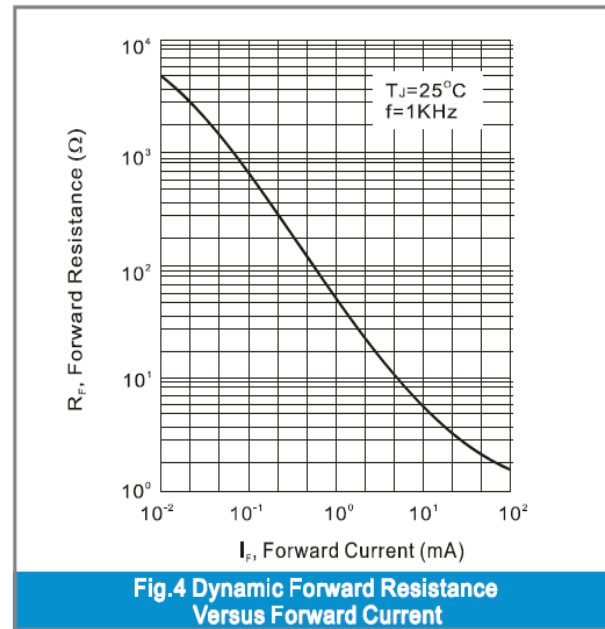
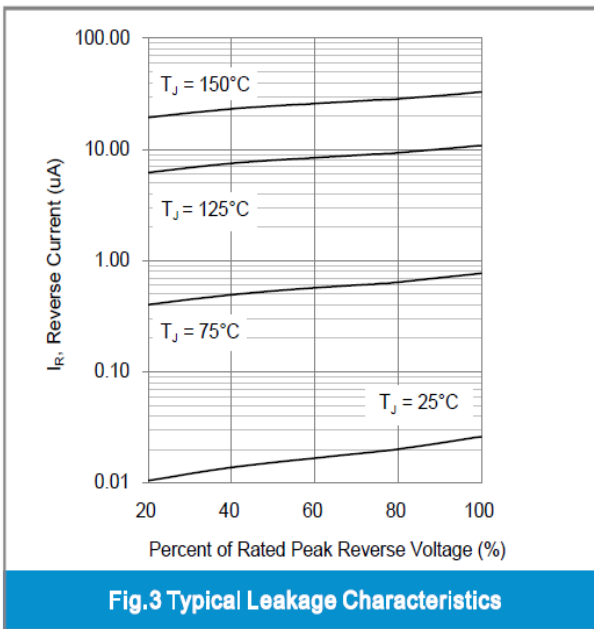
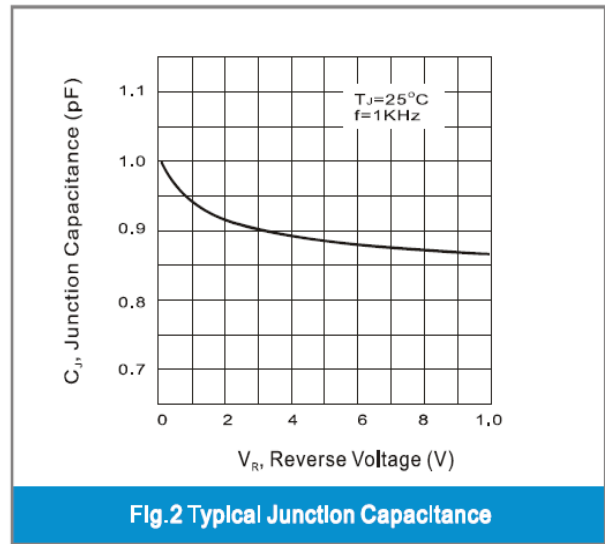
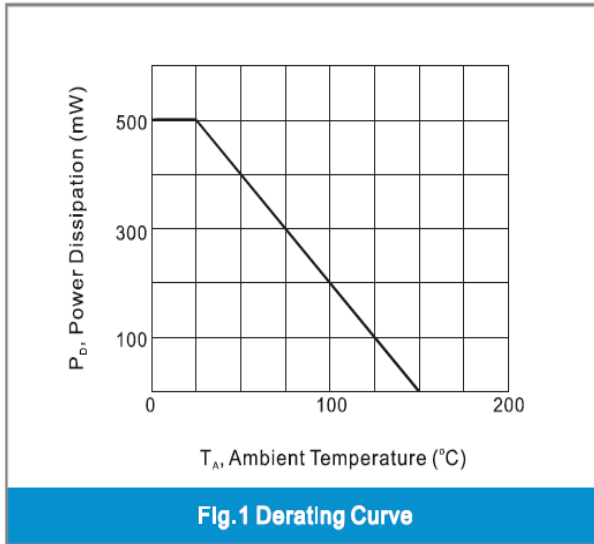
Rating at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	V _{RM}	100	V
Surge Forward Current at t < 1s and T _J =25°C	I _{FSM}	500	mA
Power Dissipation at T _A =25°C	P _{TOT}	500	mW
Forward Continuous Current	I _F	300	mA
Maximum Forward Voltage at I _F =10mA	V _F	1	V
Maximum Leakage Current at V _R =20V at V _R =75V at V _R =20V, T _J =150°C	I _R	25	nA
		5	µA
		50	µA
Maximum Capacitance at V _F =V _R =0 f=1MHz	C _J	4	pF
Maximum Reverse Recovery Time From , I _F =-I _R =10mA to I _{RR} =-1mA, V _R =6V R _L =100Ω	T _{RR}	4	nS
Typical Thermal Resistance	R _{θJA}	300	°C/W
Junction Temperature Range	T _J	-65 to +150	°C
Storage Temperature Range	T _{STG}	-65 to +150	°C

NOTES: 1. C_J at V_R=0, f=1MHz

2. From I_F=10mA to I_R=1mA, V_R=6V, R_L=100Ω

3. The typical data above is for reference only.



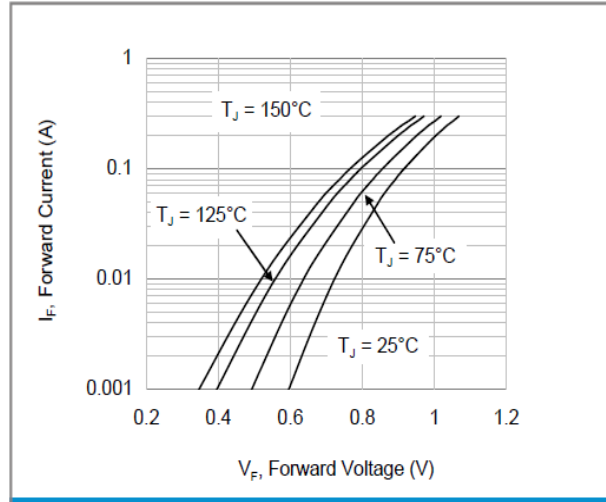


Fig.5 Typical Forward Characteristics

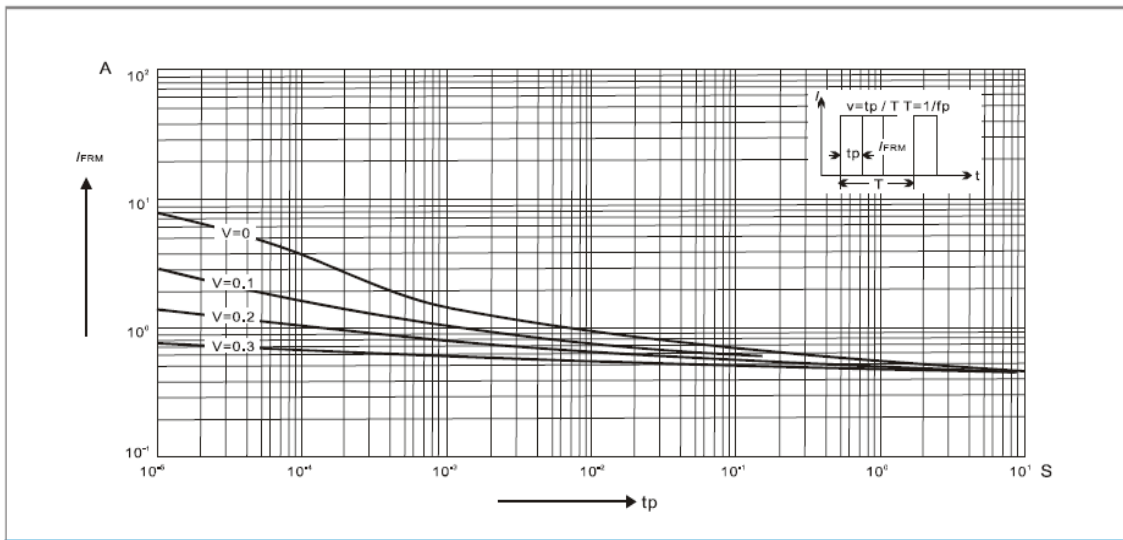


Fig.6 Admissible Repetitive Peak Forward Current Versus Pulse Duration



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